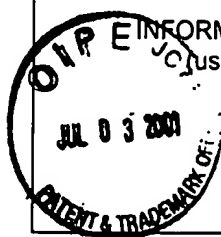


Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office		Atty. Docket No. ENZ-49(P2)(C)	Serial No. Unknown
		Applicants: James G. Wetmur et al.	
		Filed: herewith	Group: Unknown

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## U.S. PATENT DOCUMENTS


EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
<i>W</i>	<input checked="" type="checkbox"/>	4	7	6	6	0	6	4	08/88	Williams et al.	435	6	05/07/84
<i>↓</i>	<input checked="" type="checkbox"/>	4	7	6	6	0	6	2	08/88	Diamond et al.	435	6	12/20/84
<i>↓</i>	<input checked="" type="checkbox"/>	5	1	2	4	2	4	6	06/92	Urdea et al.	435	6	04/18/89

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANS- LATION	
													YES	NO
<i>W</i>	<input checked="" type="checkbox"/>	0	1	6	7	2	3	8	08/86	EP				
<i>↓</i>	<input checked="" type="checkbox"/>	0	1	6	4	8	7	6	12/85	EP				
<i>↓</i>	<input checked="" type="checkbox"/>	0	3	1	7	0	7	7 B1	1/31/96	EP				
<i>↓</i>	<input checked="" type="checkbox"/>	W O	8 7	0	1	7	3	0	03/26/87	PCT International				
<i>↓</i>	<input checked="" type="checkbox"/>	W O	8 6	0	6	4	1	2	11/06/86	PCT International				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	<input checked="" type="checkbox"/>	Lee et al., "A Physical Study by Electron Microscopy of the Terminally Repetitious, Circularly Permuted DNA from the Coliphage Particles of <i>Escherichia coli</i> ," <u>Journal of Molecular Biology</u> 48:1-22 (1970)
<i>↓</i>	<input checked="" type="checkbox"/>	Vary et al., "A homogeneous nucleic acid hybridization assay based on strand displacement", <u>Nucleic Acids Research</u> 15:6883-6897 (1987)
<i>↓</i>	<input checked="" type="checkbox"/>	Thomas et al., "Hybridization of RNA to double-stranded DNA: Formation of R-loops", <u>Proc. Natl. Acad. Science (USA)</u> 73:2294-2298 (1976)
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<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

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	Applicants: James G. Wetmur et al.	
	Filed: Herewith	Group: Unkown

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
<i>W</i>	5 9 5 8 6 8 1	09/99	Wetmur et al.	435	6	06/07/95
			X			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN- SLATION YES NO
<i>W</i>	W 8 1 1 5 4 8 O 9	11/30/89	PCT International			

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<i>W</i>	Casey et al., <u>Nucleic Acids Research</u> 4:1539-1552 (1977)
<i> </i>	Radding et al., "Uptake of Homologous Single-stranded Fragments by Superhelical DNA", <u>Journal of Molecular Biology</u> 116:825-839 (1977)
<i> </i>	Corey et al., "Sequence-Selective Hydrolysis of Duplex DNA by an Oligonucleotide-Directed Nuclease," <u>J. Am. Chem. Soc.</u> 111:8523-8525 (1989)
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<i> </i>	Langer et al., "Enzymatic synthesis of biotin-labeled polynucleotides: Novel nucleic acid affinity probes," <u>Proc. Natl. Acad. Sci. (USA)</u> 78:6633-6637 (1981)
<i> </i>	Green et al., "Reassociation rate limited displacement of DNA strands by branch migration", <u>Nucleic Acids Research</u> 9:1905-1918 (1981)
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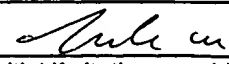
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	Vary et al., "Nonisotopic Detection Methods for Strand Displacement Assays of Nucleic Acids," <u>Clinical Chemistry</u> 32:1696-1701 (1986)
	Cox et al., "Directionality and polarity in recA protein-promoted branch migration," <u>Proc. Natl. Acad. Sci. (USA)</u> 78:6018-6022 (1981)
	Michelson et al., "Synthetic Polynucleotides" in <u>Prog. Nucleic Acids Research</u> 6:83-141
	Radding et al., "Enzymatic Synthesis of Deoxyribonucleic Acid", <u>Journal Biol. Chem.</u> 237:2869-2876 (1962)
	Inman et al., "Helix-Random Coil Transitions in DNA Homopolymer Pairs", <u>Journal of Molecular Biology</u> 8:452-469 (1964)
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<i>W</i>	<input checked="" type="checkbox"/>	Inman, " <u>Journal of Molecular Biology</u> 9:624-637 (1964)
	<input checked="" type="checkbox"/>	Tatsumi et al., "Production of DNA bifilarly substituted with bromodeoxyuridine in the first round of synthesis: branch migration during isolation of cellular DNA", <u>Nucleic Acids Research</u> 5:331-347 (1978)
	<input checked="" type="checkbox"/>	Brown et al., "Cleavage specificity of the restriction endonuclease isolated from Haemophilus gallinarum (Hga I)", <u>Proc. Natl. Acad. Sci. (USA)</u> 74:3213-3216 (1977)
	<input checked="" type="checkbox"/>	Thomas et al., "Viable Molecular Hybrids of Bacteriophage Lambda and Eukaryotic DNA", <u>Proc. Natl. Acad. Sci. (USA)</u> 71:4579-4583 (1974)
	<input checked="" type="checkbox"/>	Green et al., "Targeted deletions of sequences from closed circular DNA", <u>Proc. Natl. Acad. Sci. (USA)</u> 77:2455-2459 (1980)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Capecchi, "Altering the Genome by Homologous Recombination", <u>Science</u> 244:1288-1292 (1989)
EXAMINER	<i>Sub in</i>	DATE CONSIDERED <i>3/29/2006</i>
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<i>u</i>	✓	Francois et al., "Inhibition of Restriction Endonuclease Cleavage via Triple Helix Formation by Homopyrimidine Oligonucleotides," <u>Biochemistry</u> 28:9617-9619 (1989)
	✓	Povsic et al., "Triple Helix Formation by Oligonucleotides on DNA Extended to the Physiological pH Range", <u>Journal American Chem. Soc.</u> 111:3059-3061 (1989)
	✓	Quartin et al., "Branch Migration Mediated DNA Labeling and Cloning," <u>Biochemistry</u> 28:8676-8682 (1989)
	✓	Ellwood et al., "Strand Displacement Applied to Assays with Nucleic Acid Probes," <u>Clinical Chemistry</u> 32:1631-1636 (1986)
	✓	Lewin, Chapter 3, "The Topology of Nucleic Acids," and Chapter 4, "Isolating The Gene," in <u>Genes III</u> , John Wiley & Sons (publ.), New York 57-94 (1987)
↓	✓	Loewy et al., "Site-directed transcription initiation with a mobile promoter," <u>Gene</u> 83: 367-370 (1989)
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